

FIG. 1

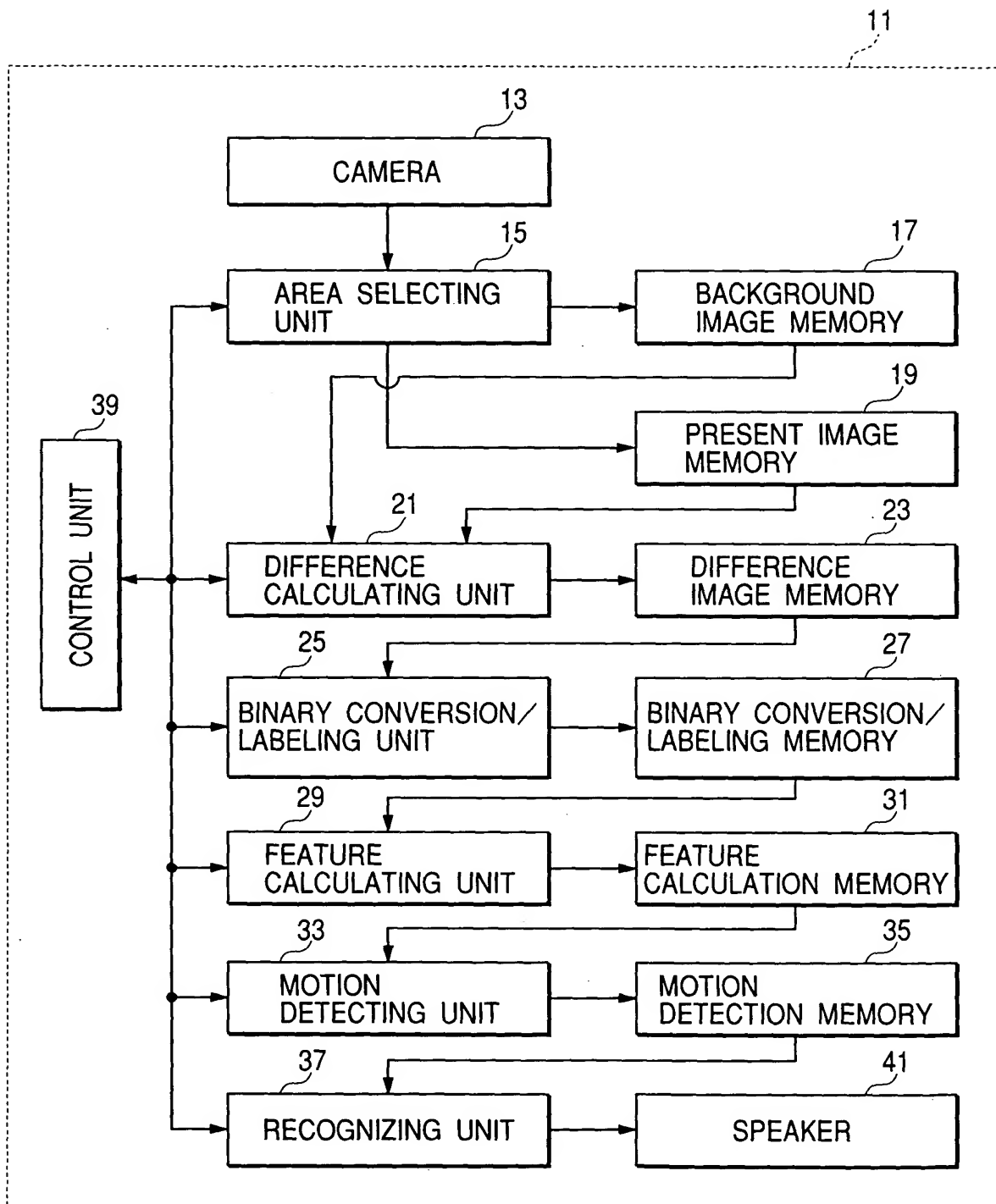
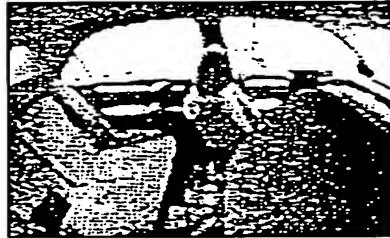
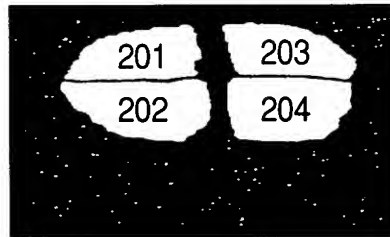


FIG. 2A



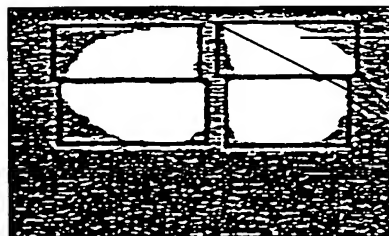
PICKUP IMAGE

FIG. 2B



MONITORING REGION
DATABASE

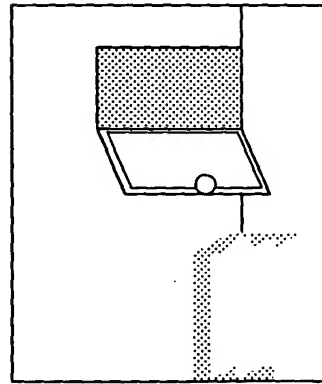
FIG. 2C



MONITORING REGION
BOUNDARY LINE
INFORMATION

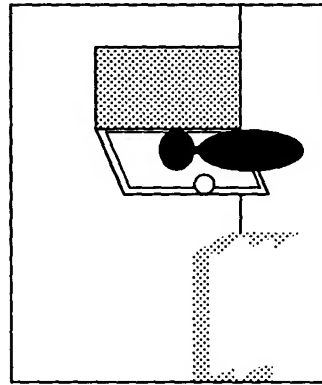
REGION 203
COORDINATES 1 (200, 20)
COORDINATES 2 (400, 60)

FIG. 3A



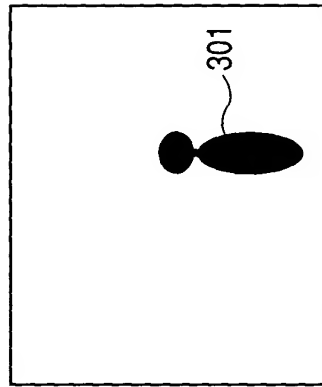
BACKGROUND
IMAGE

FIG. 3B



PRESENT
IMAGE

FIG. 3C

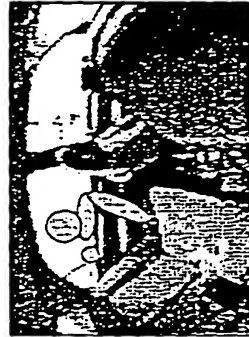


DIFFERENCE
IMAGE

FIG. 4A FIG. 4B FIG. 4C



BACKGROUND IMAGE



PRESENT IMAGE

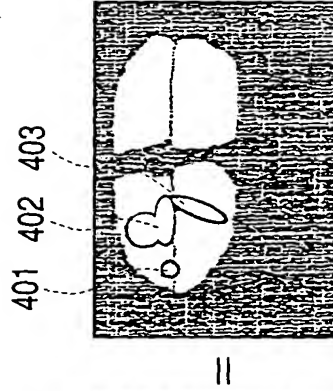


IMAGE AFTER BINARY
CONVERSION/LABELING

FIG. 5A

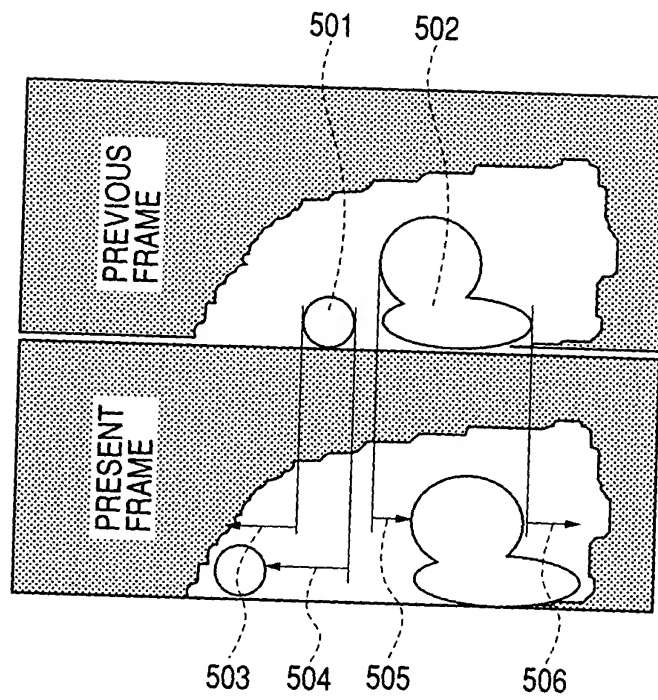


FIG. 5B

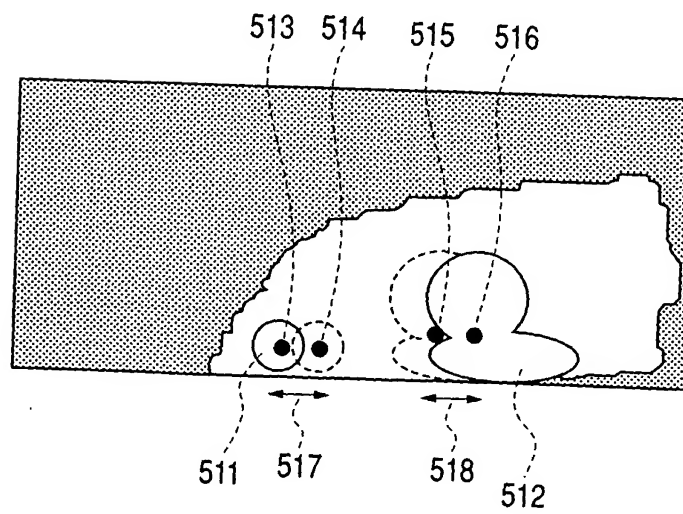


FIG. 6

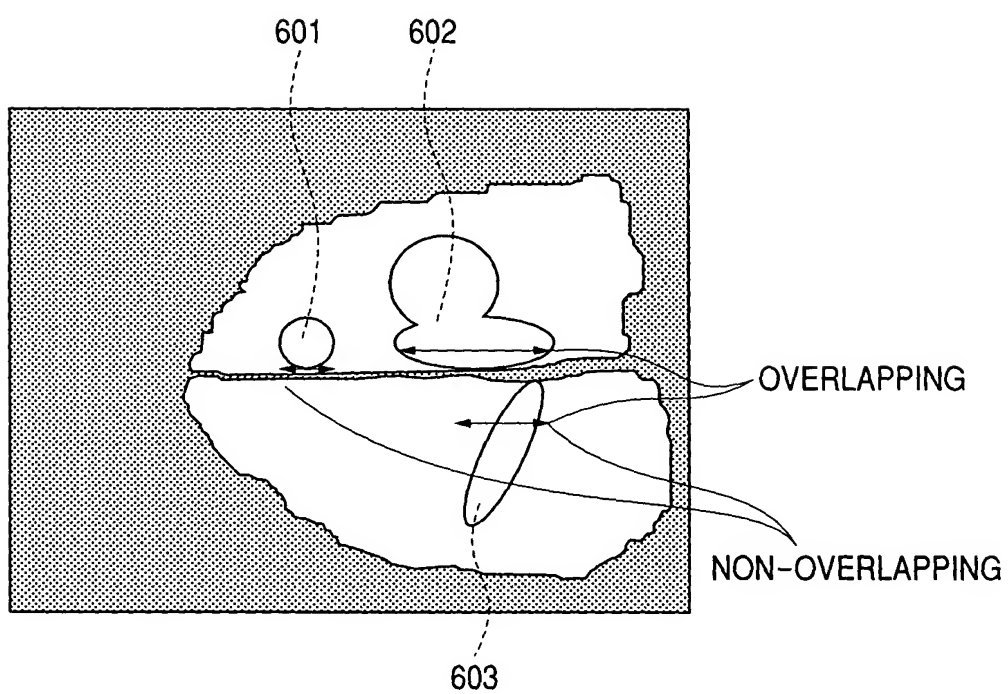


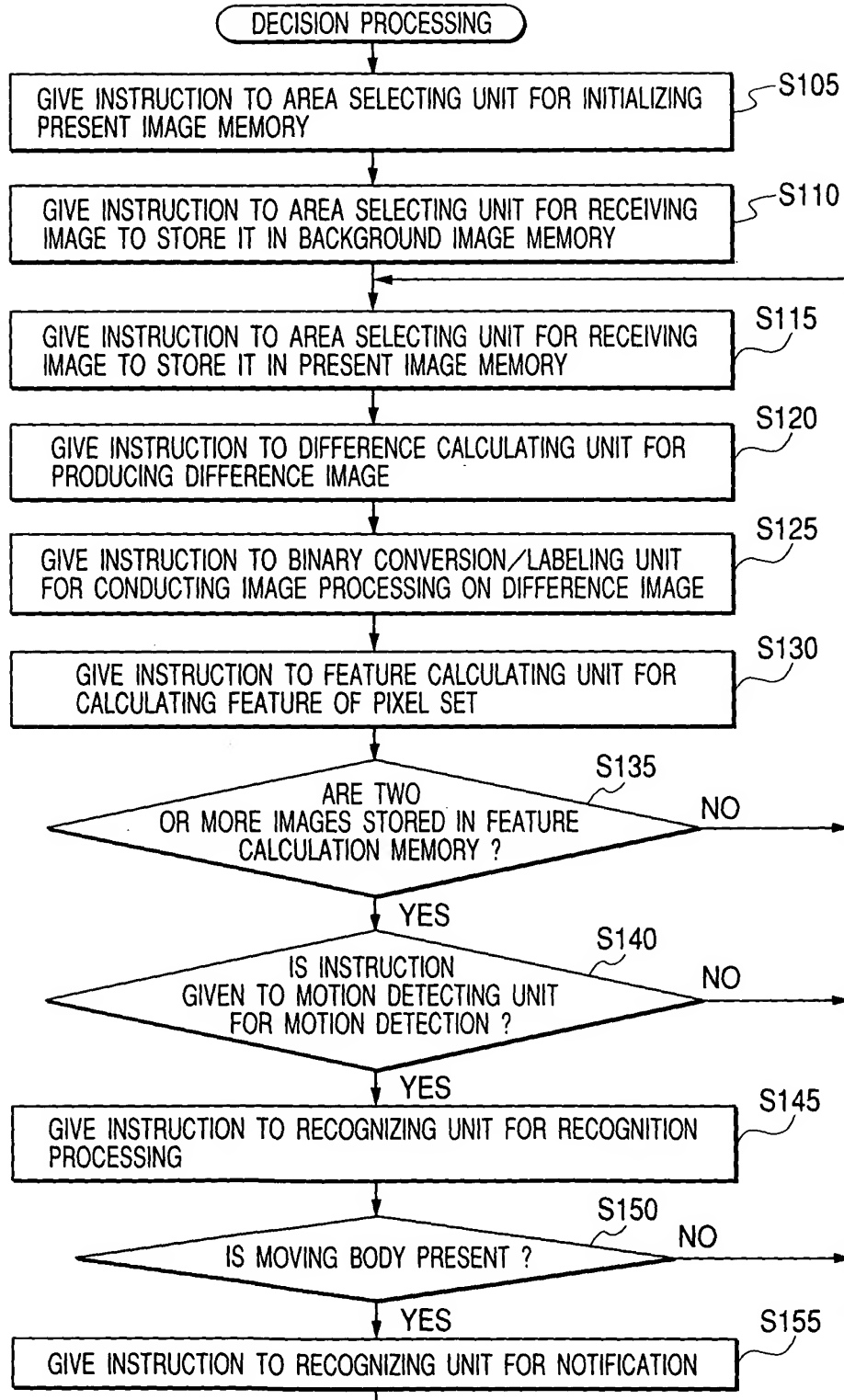
FIG. 7

FIG. 8

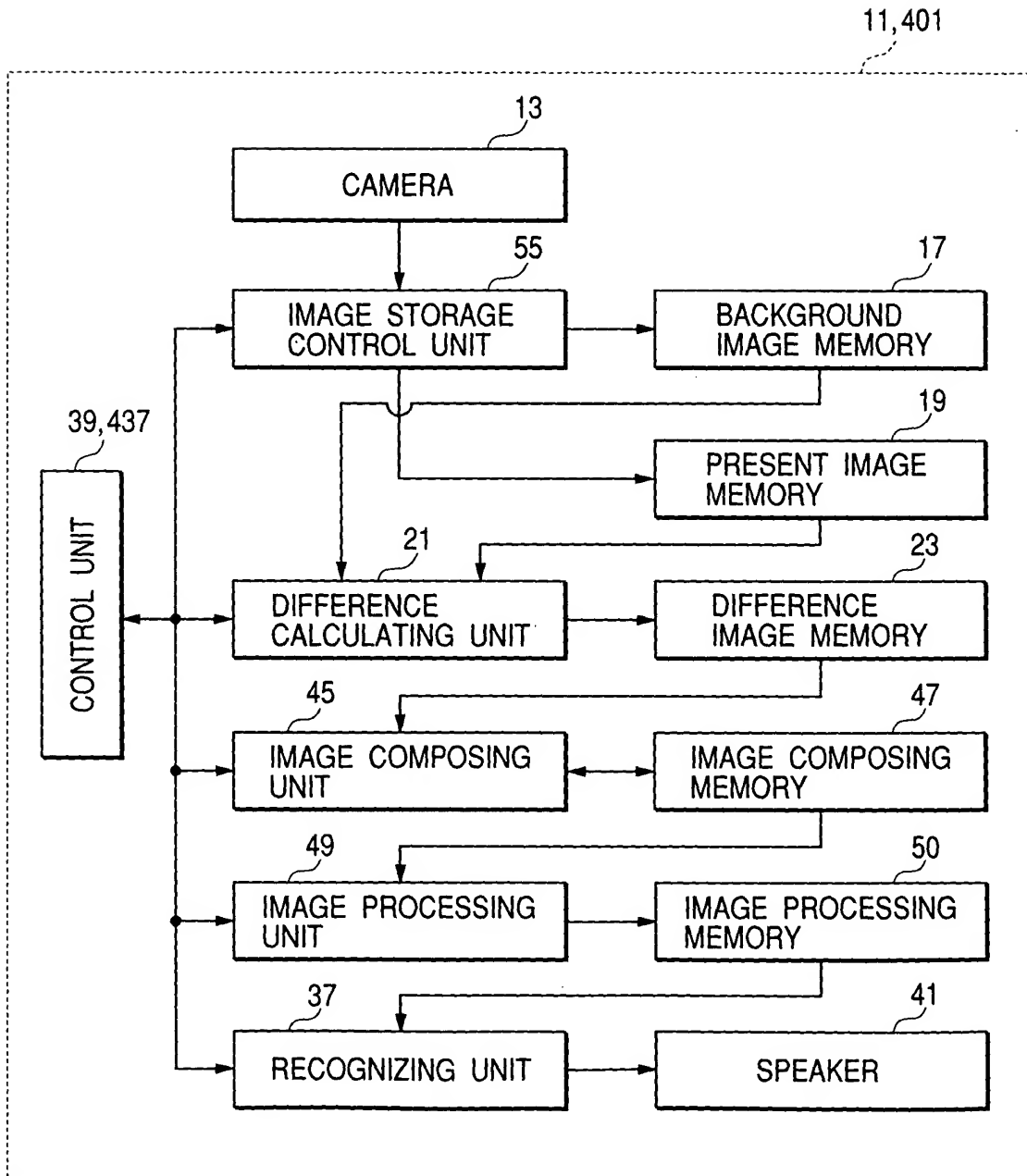


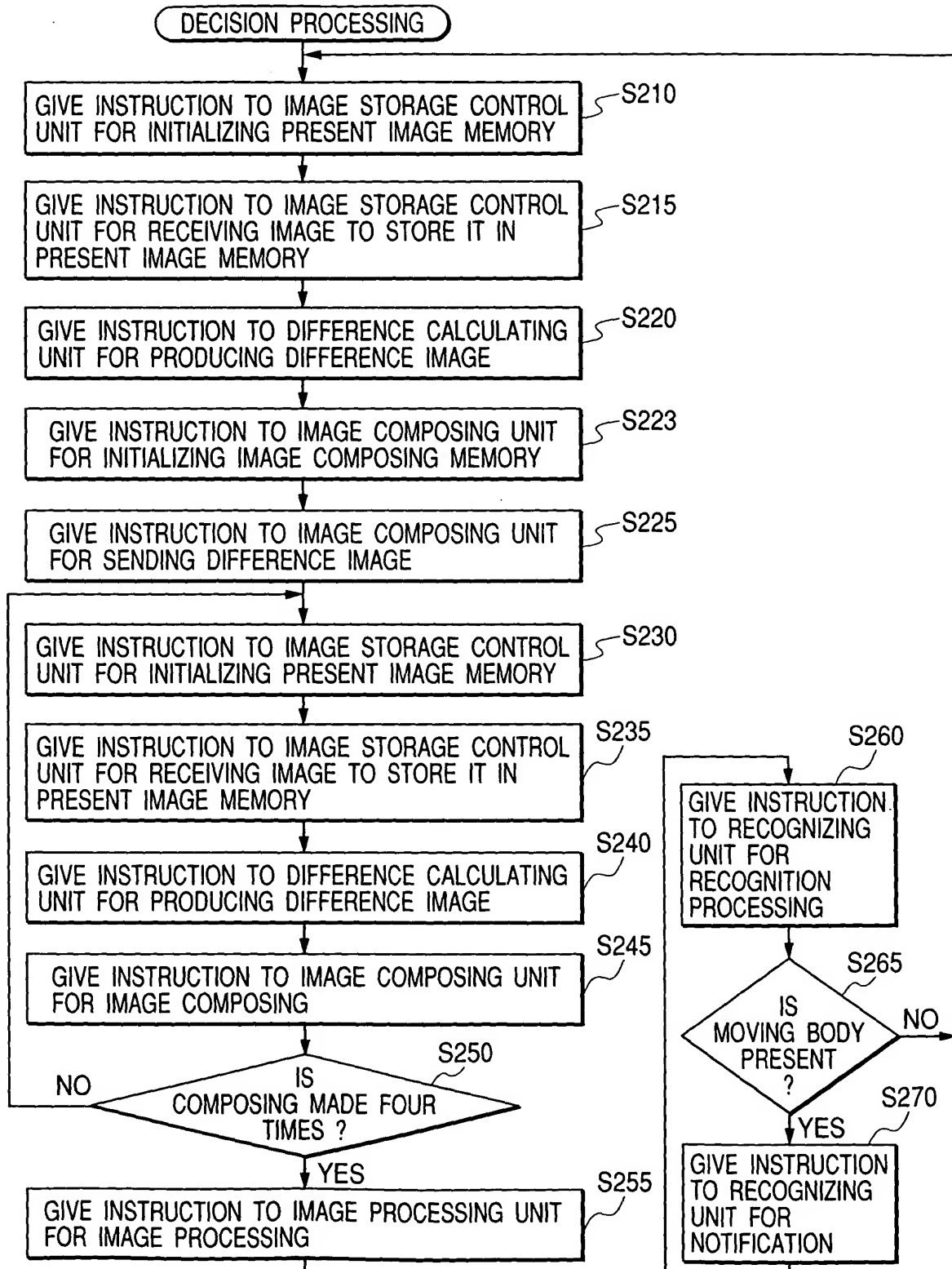
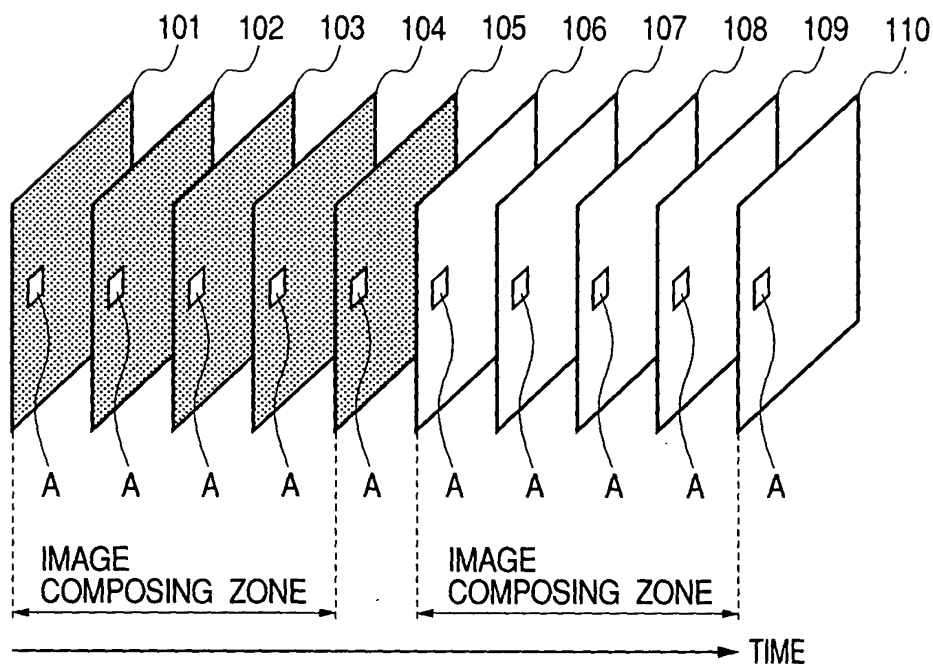
FIG. 9

FIG. 10A**FIG. 10B**

PIXEL VALUE OF PIXEL A

IMAGE	101	102	103	104	105	106	107	108	109	110
PIXEL VALUE	25	15	37	98	65	105	107	75	54	60

MAXIMUM PIXEL
VALUE 98

FIG. 11

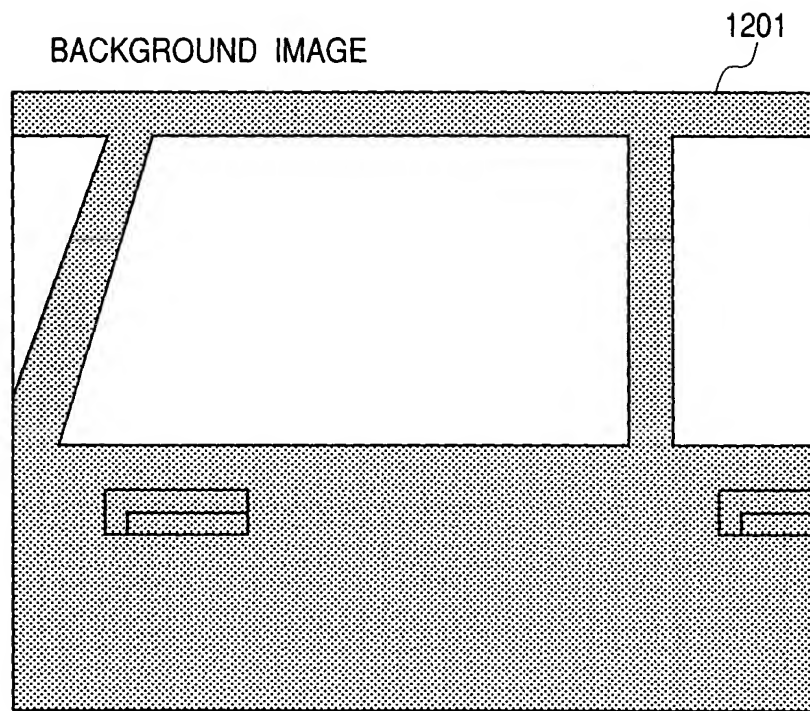


FIG. 12A

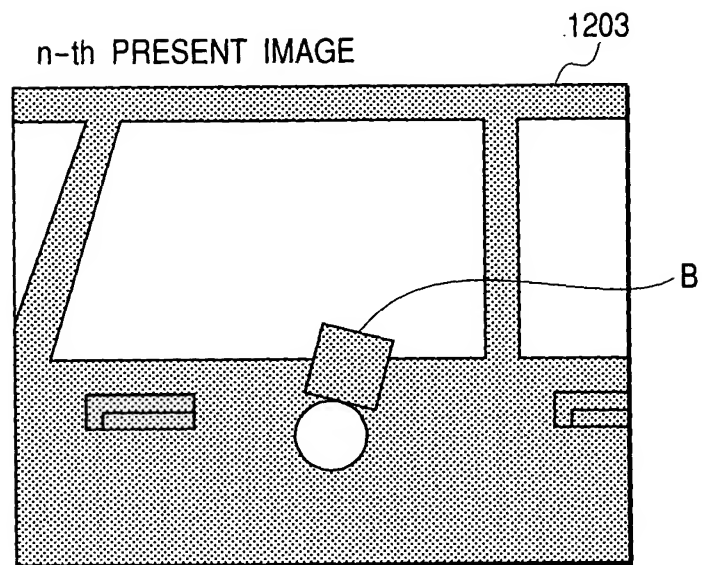


FIG. 12B

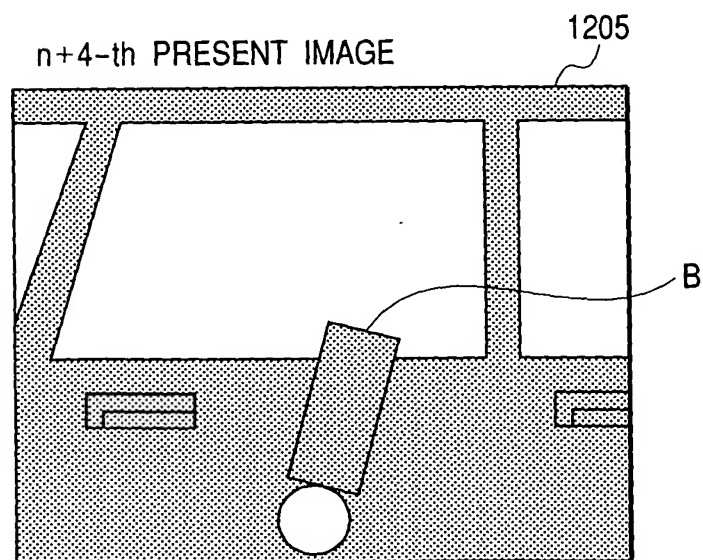


FIG. 13A

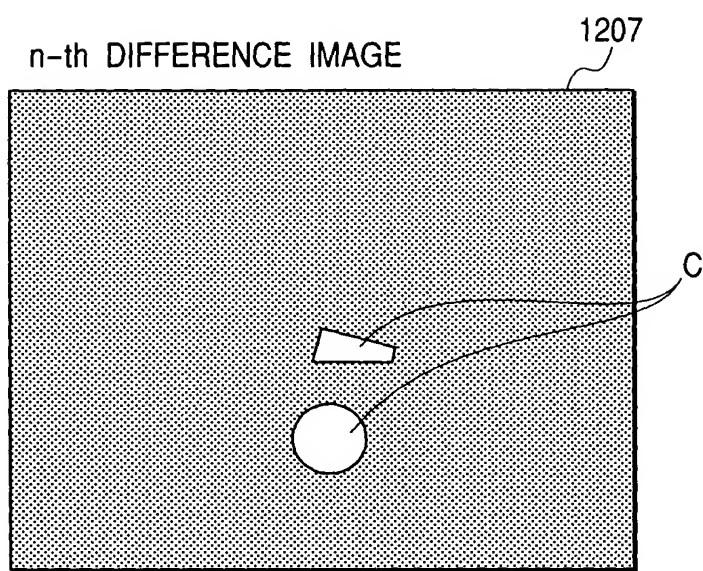


FIG. 13B

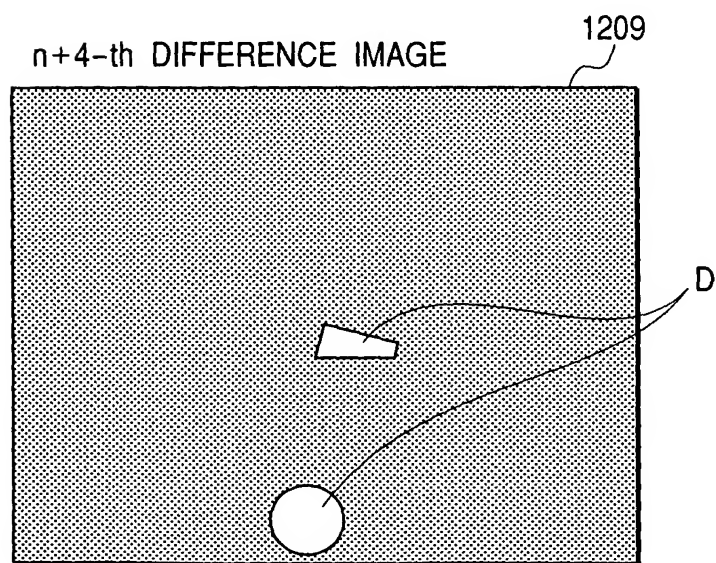


FIG. 14

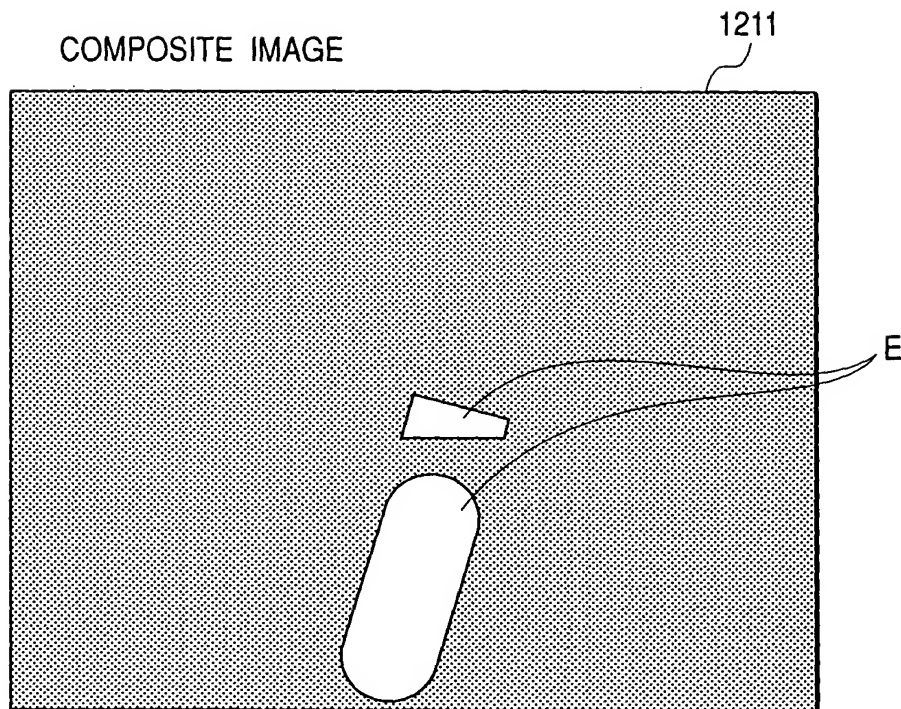


FIG. 15

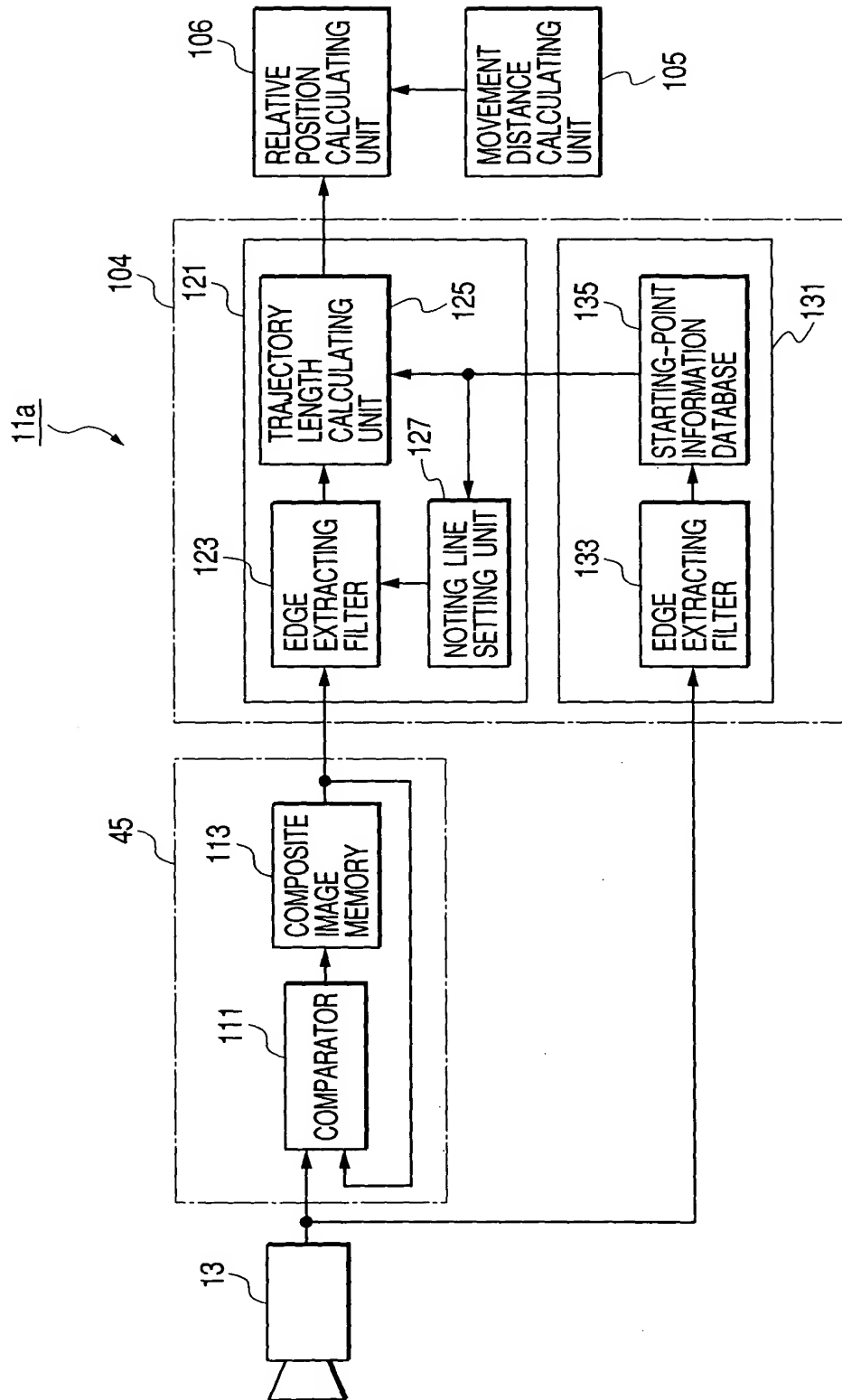


FIG. 16A

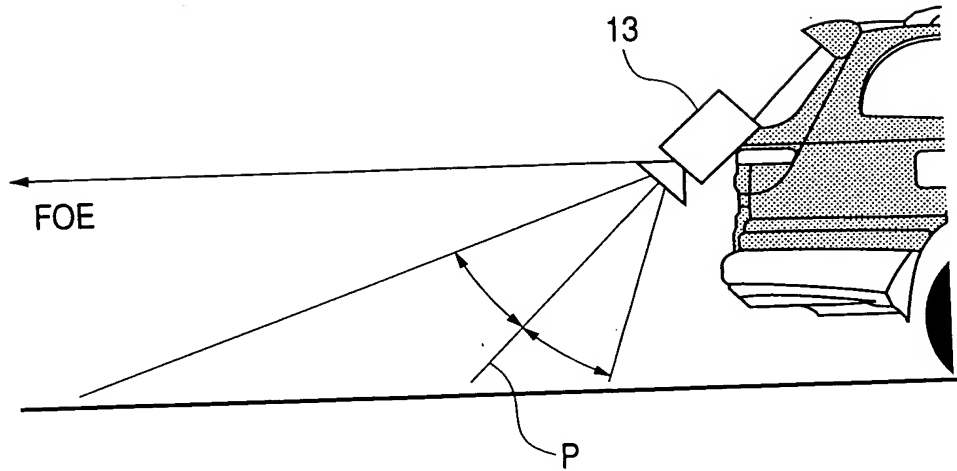


FIG. 16B

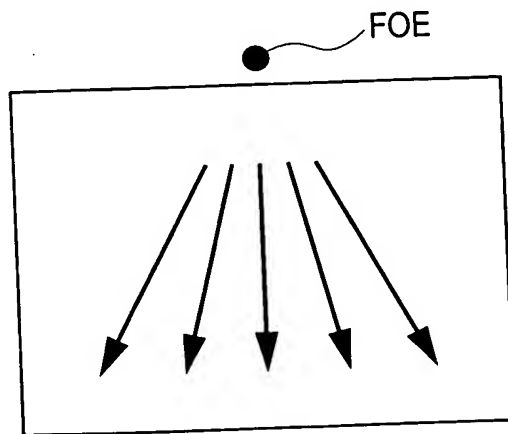
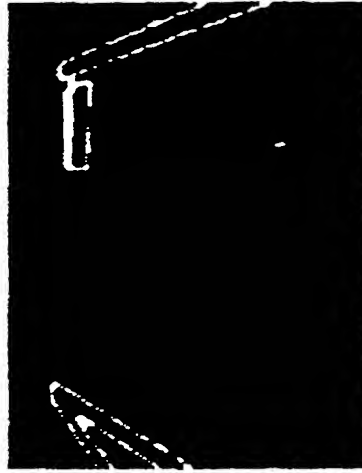


FIG. 17B



STARTING POINT
INFORMATION

FIG. 17A



INPUT IMAGE AT START
OF IMAGE COMPOSING

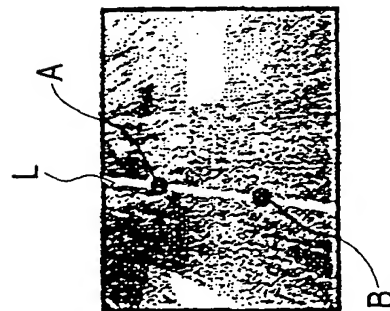
EDGE
EXTRACTION

FIG. 18A



INPUT IMAGE

FIG. 18B



COMPOSITE IMAGE

IMAGE
COMPOSING

TRAJECTORY
EXTRACTION

FIG. 18C

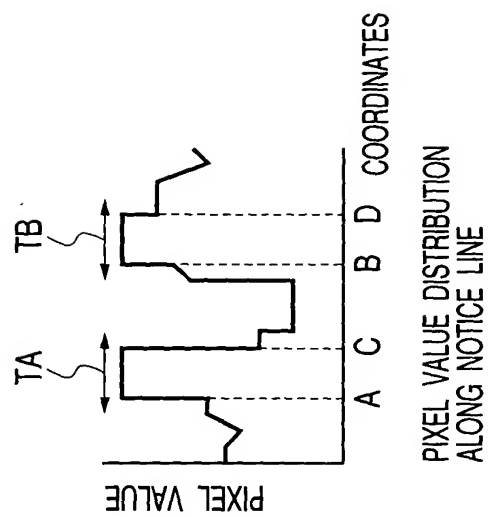


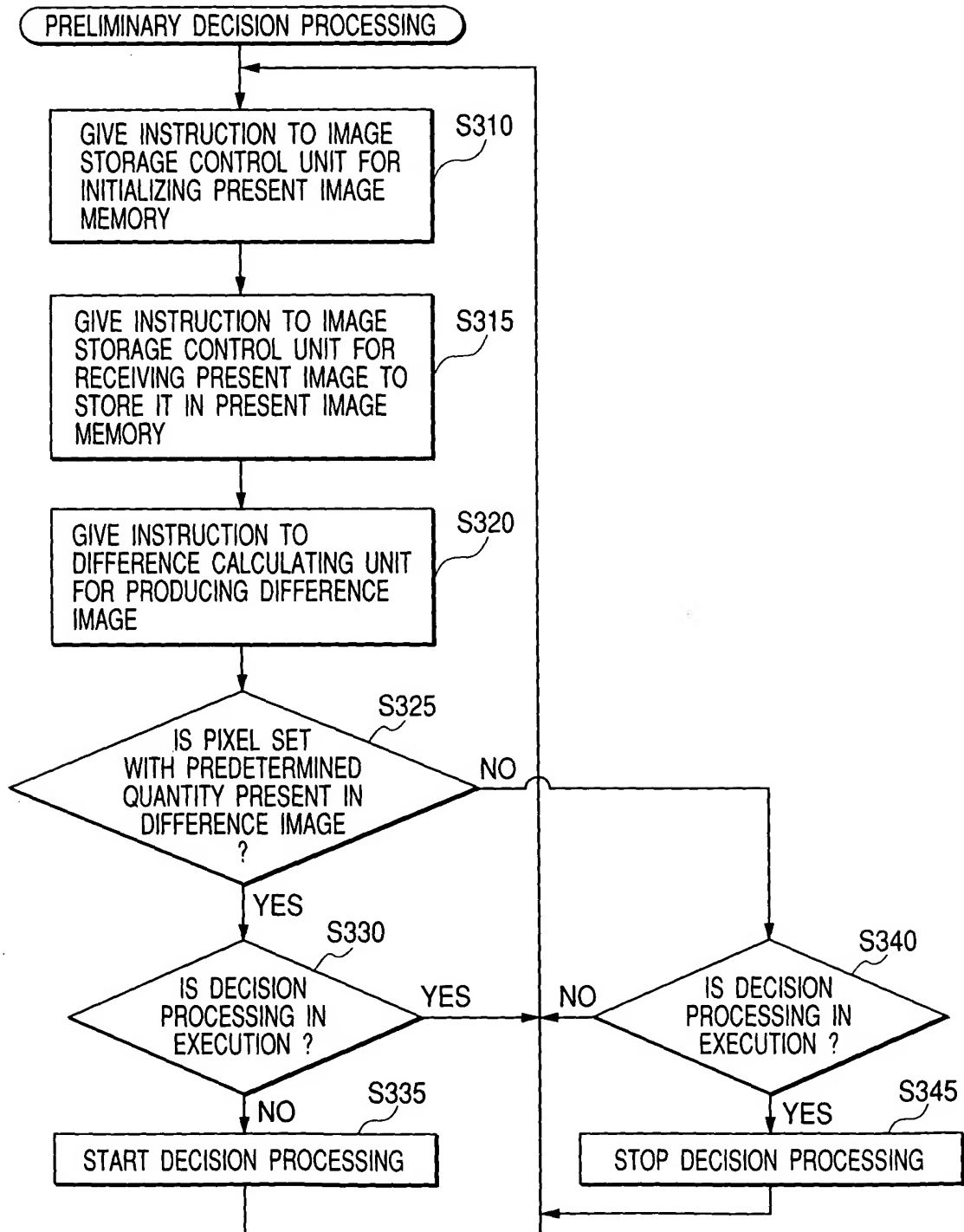
FIG. 19

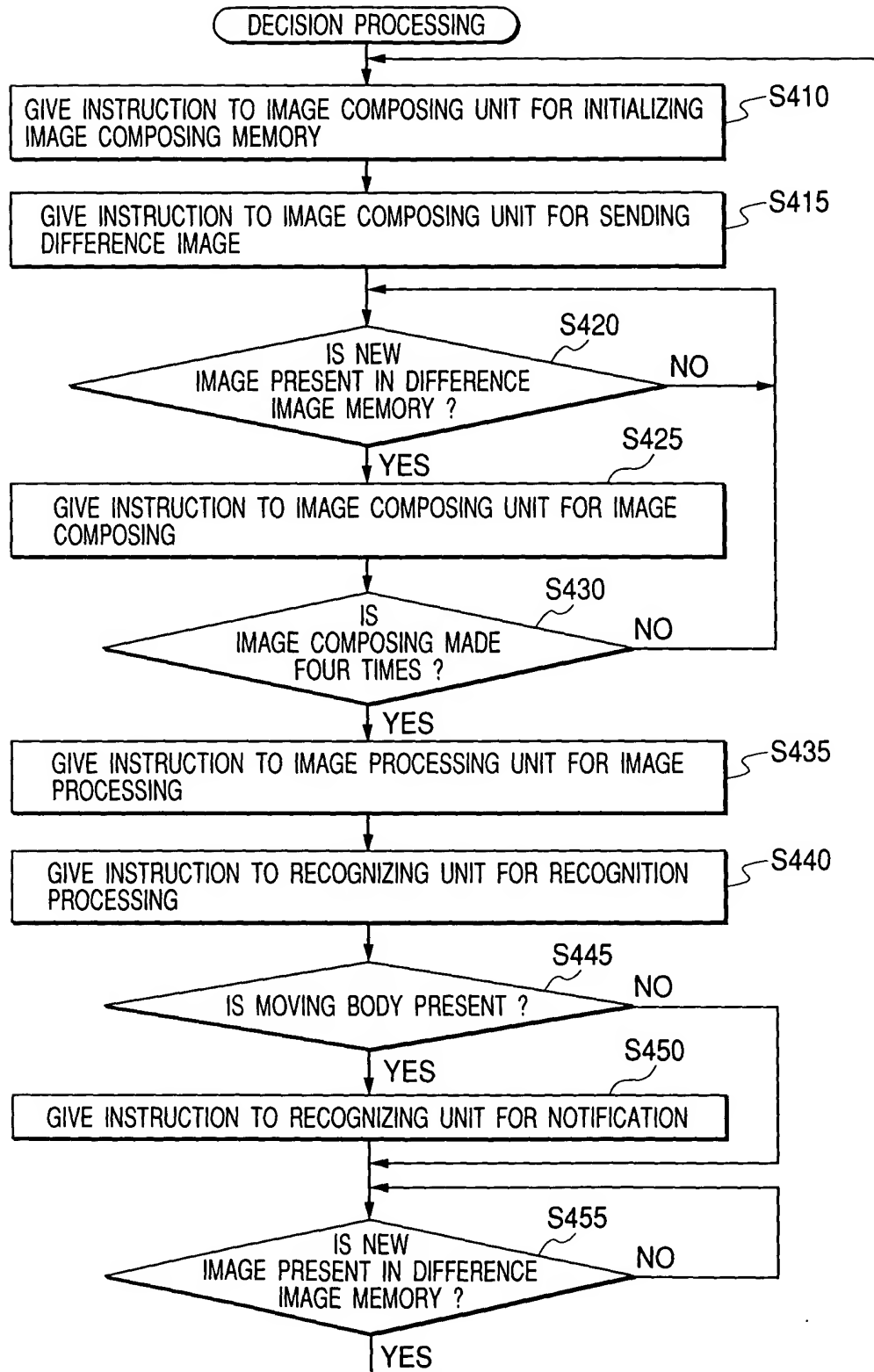
FIG. 20

FIG. 21

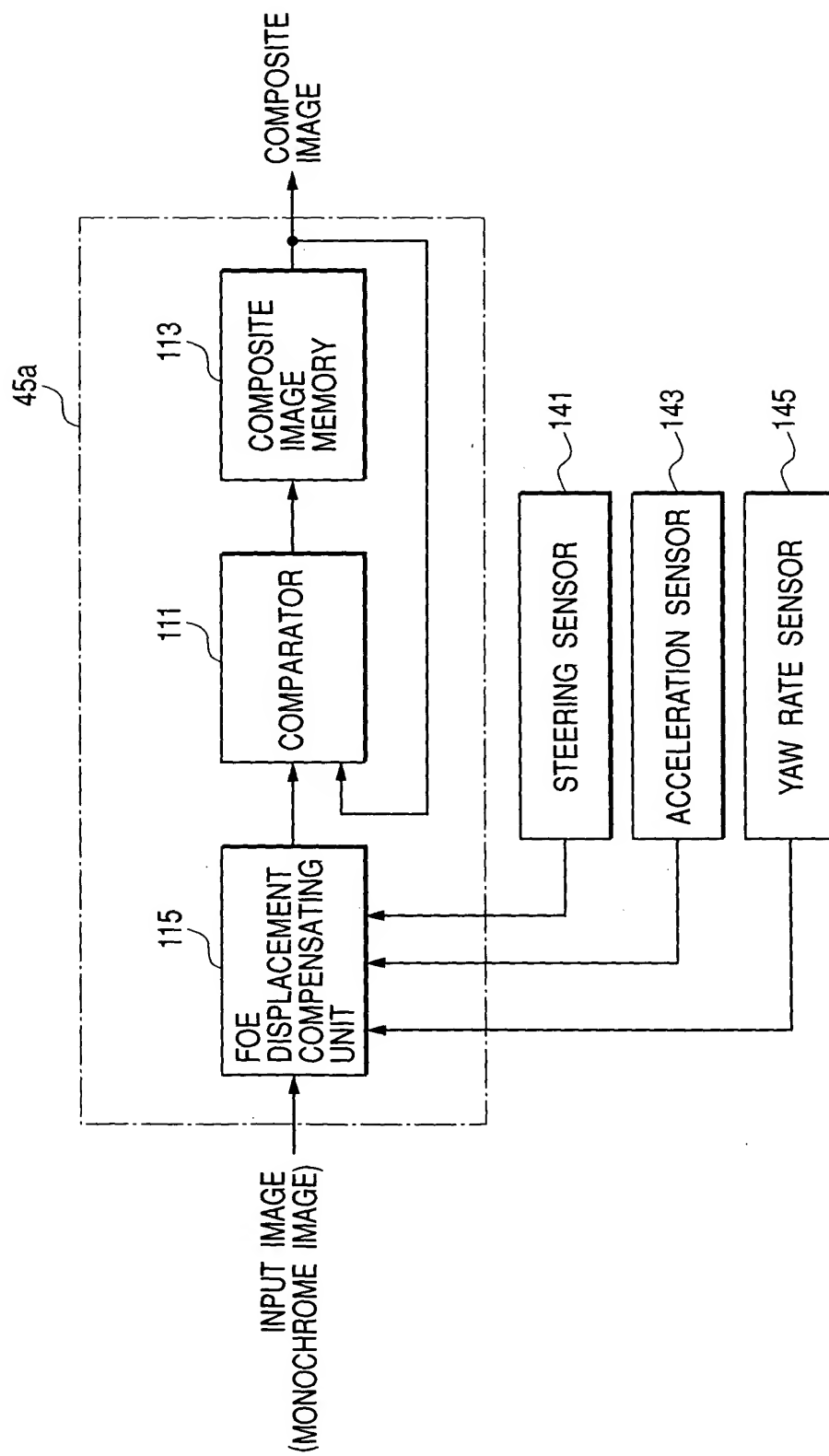


FIG. 22A

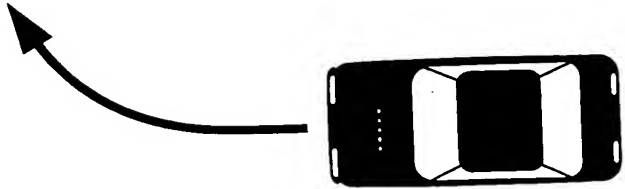


FIG. 22B

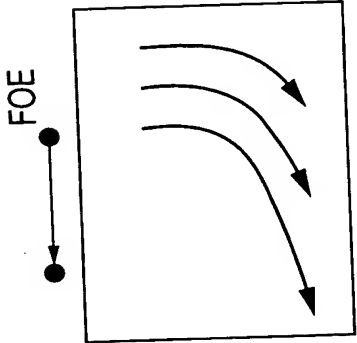


FIG. 22C

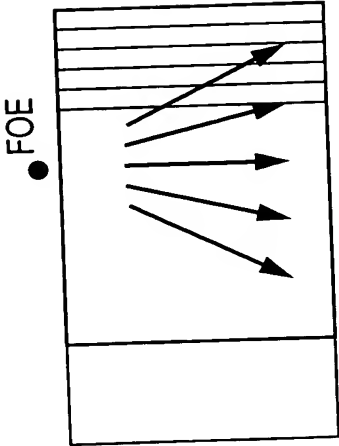


FIG. 23B

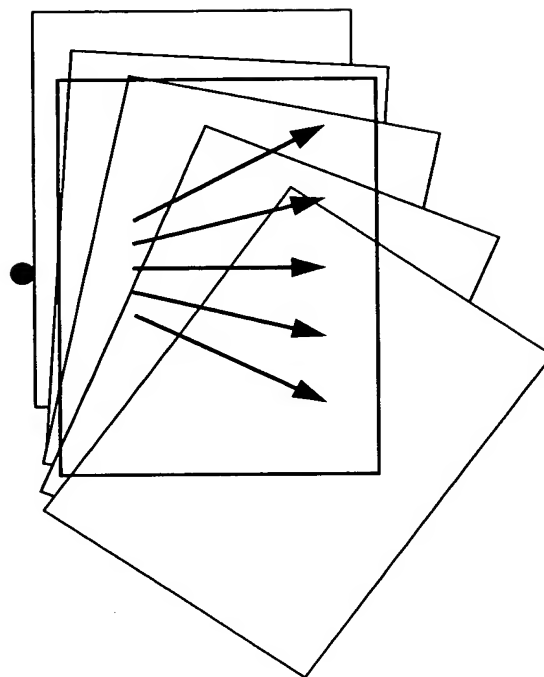


FIG. 23A

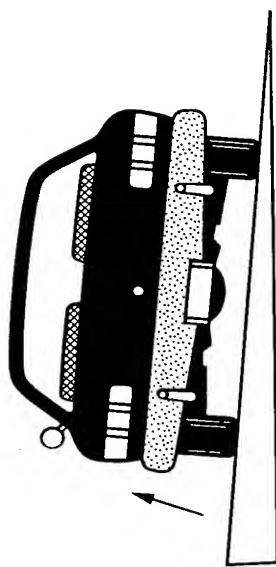


FIG. 24A

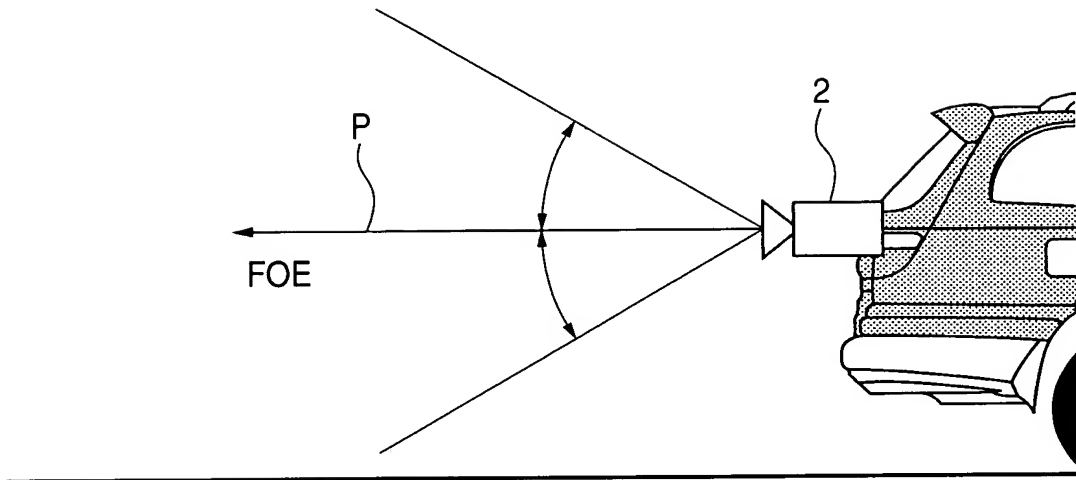


FIG. 24B

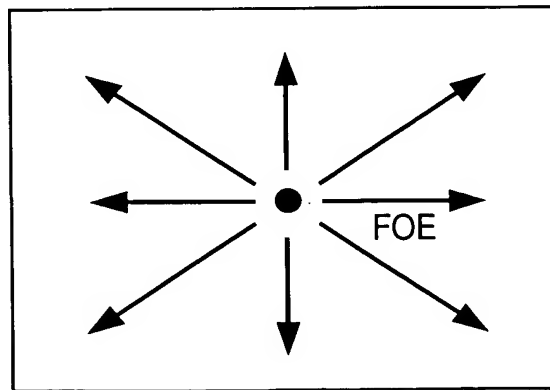


FIG. 25A

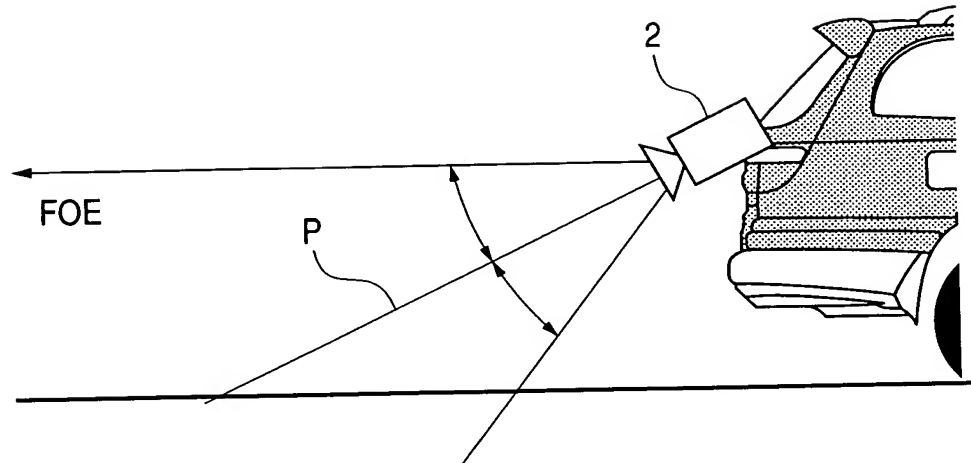


FIG. 25B

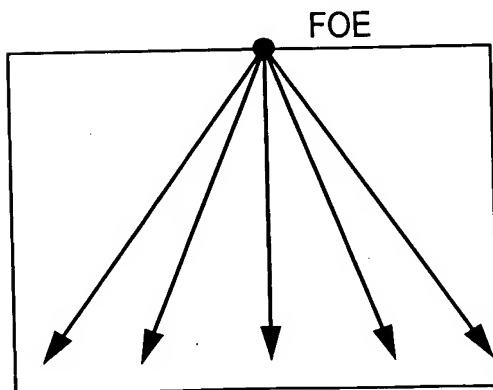


FIG. 25C

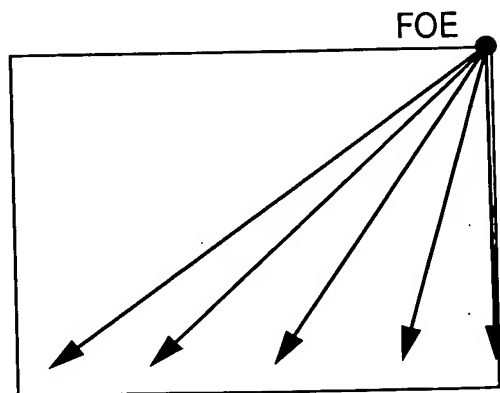


FIG. 26A

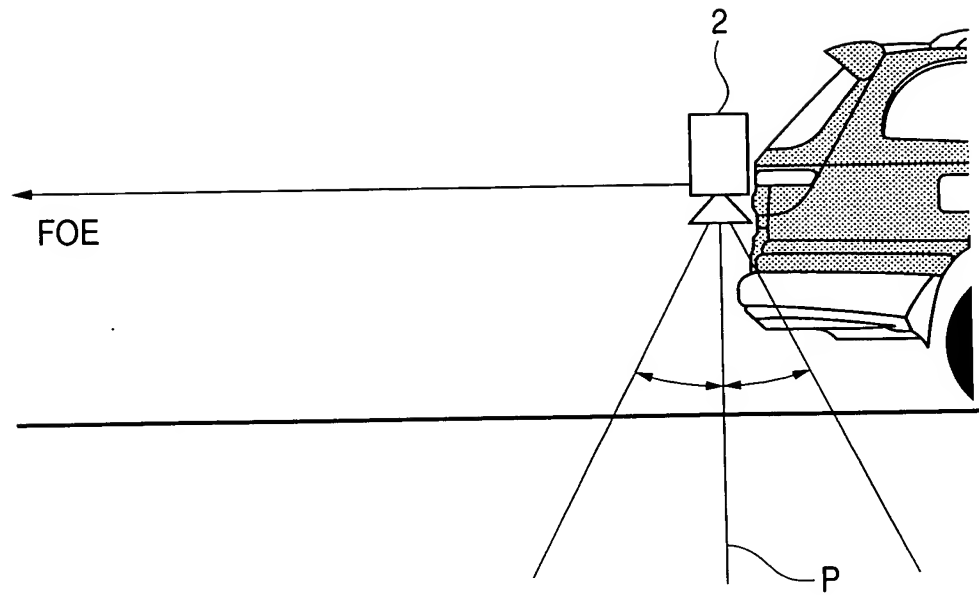
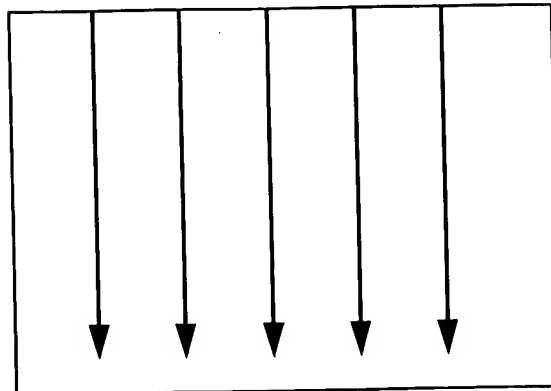
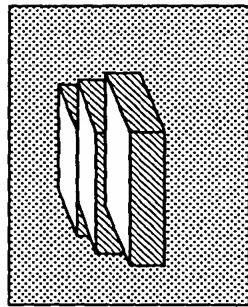


FIG. 26B





↑
IMAGE
COMPOSING

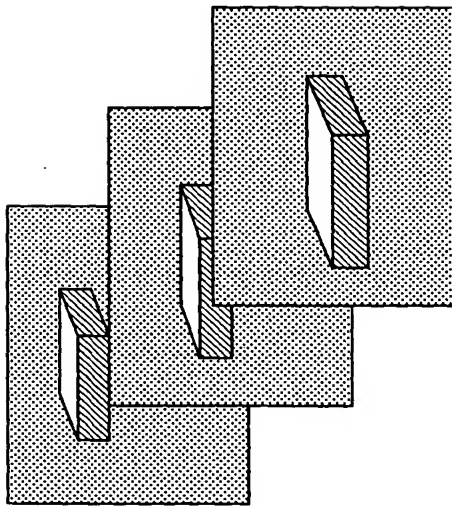
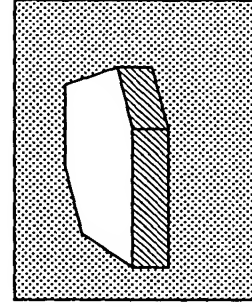


FIG. 27A



↑
IMAGE
COMPOSING

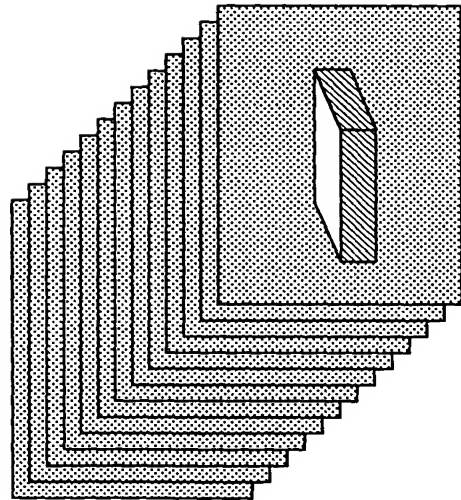
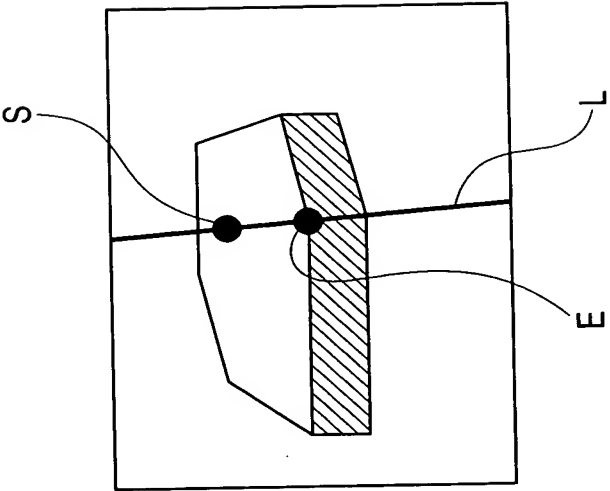


FIG. 27B

FIG. 28B



↑
IMAGE
COMPOSING

FIG. 28A

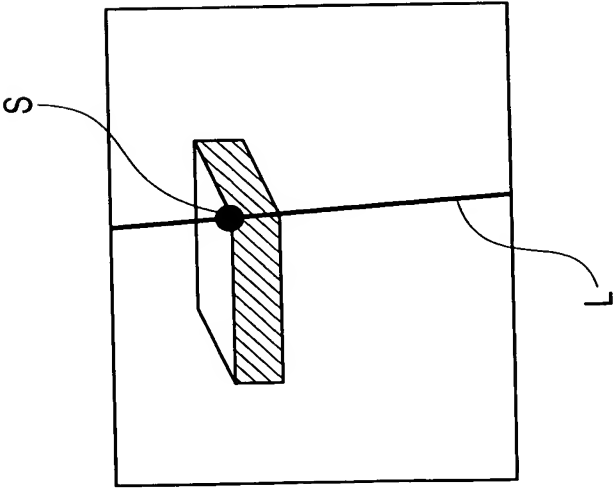


FIG. 29
PRIOR ART

